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GENE SIGNATURE.

(7) A 3'-directed cDNA library which accurately reflects the abundance ration of mRNA in a cell has been prepared from various human tissues, and sequencing of the cDNAs contained in the library has be conducted to examine the incidence of each cDNA in each tissue. As each cDNA has expression information with each tissue corresponding to the mRNA concentration, these cDNAs are usable as a probe or primer for detecting cell anomoly or discriminating cells. The cloned gene can produce porteins utilizable as a medicine or the like.

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	SEQ ID NO:1837 SEQUENCE LENGTH:269					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS02087					
	SEQUENCE DESCRIPTION:					
	GATCCGAAGA GGAACTCCTG					60
10	AGTTATTAAA GGACAAAGTC					
70	CCATTCTGCT GACTTCTTAC					
	CTCAAATTTT GCTTTTTGAC	GCNGTATTTT	TANGTTANGN	AAATATATTT	NTGGTATAAC	240
	TTTTATGCGA NAAATAAAAT	ATATTCTGN				269
15	SEQ ID NO:1838					,
	SEQUENCE LENGTH: 268					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS02088					
	SEQUENCE DESCRIPTION:		** • • • • • • • • • • • • • • • • • •	***	00 000000	co
	GATCTCATTG TTTATTAACC					60
	TTGTAAGCTC AGGTTCAAAG					
	TGGAGAGAAT TGGAATGGGT					
25	TCACATCTTT AGTGTCTGAA		IGIIIIAGGA	IGIAIGIIAC	IICIIAGAGA	268
	GAAATAAAGC ATTTTTGGGA	AUAAIAAA				400
	SEQ ID NO:1839					
30	SEQUENCE LENGTH: 265					
00	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02089					
	SEQUENCE DESCRIPTION:					
35	GATCTATCTA AATATATTAA					60
	GTTTGGAAGA TATTAACATA					
	AATGCAATAT TGTATAATTC					
	TTATAAAGTT TTAAAAATTA		TTGGTGCCTA	ATTTTTNNTT	TCCTAAAAAT	
40	AAAATTTTTC CTTTTTATGA	GTAAA				265
	SEQ ID NO:1840					
	SEQUENCE LENGTH: 261					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS02090					
	SEQUENCE DESCRIPTION:					
	GATCATAAAA CCTTCATTCC	ATAGGTACCC	TTTATCCTCA	CAGATACAGA	GACACCAAGA	60
50	AGAATCTGGA CAAATAGGAC	TTGCTAAGTT	CTCCACAGTT	TATTACCATT	AGATTATGTC	120
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5	SEQ ID NO:7844 SEQUENCE LENGTH:37 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear SEQUENCE DESCRIPTION: CTCGCTCGCC CATCCTTATA CAGGCTCAGT TTTGTCT	37
10	SEQ ID NO:7845 SEQUENCE LENGTH:37 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single	
15	TOPOLOGY:linear SEQUENCE DESCRIPTION: CTCGCTCGCC CATGTATAGG GACAGCATTT CTGAGAG	37
20	SEQ ID NO:7846 SEQUENCE LENGTH:38 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear	
25	SEQUENCE DESCRIPTION: CTGGTTCGGC CCACCTCTGA AGGTTCCAGA ATCGATAG	38
30	SEQ ID NO:7847 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single	
35	TOPOLOGY: linear SEQUENCE DESCRIPTION: CCAGGGTTTT CCCAGTCACG AC	22
40	SEQ ID NO:7848 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear	
45	SEQUENCE DESCRIPTION: TCACACAGGA AACAGCTATG AC	22

50 Claims

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 A purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.

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- 2. A DNA probe consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
- 3. A DNA primer consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
- 4. A purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
- 20 5. A DNA probe consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
 - 6. A DNA primer consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.

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